

What is claimed is:

1. An infrared source (10) for gas sensors having a first layer (102), wherein the infrared source (10) has a second layer (103), the first layer (102) having first transmission characteristics (510); and the second layer (103) having second transmission characteristics (520); the combination of the first and the second transmission characteristics (510, 520) effecting a bandpass filter characteristics (500) for an operating frequency range (501).
2. The infrared source (10) as recited in Claim 1, wherein the first transmission characteristics (510) with respect to the operating frequency range (501) provides a higher transmission for shorter wavelengths; and the second transmission characteristics (510) with respect to the operating frequency range (501) provides a higher transmission for greater wavelengths.
3. The infrared source (10) as recited in one of the preceding claims, wherein glass is provided as the first layer (102); and silicon or germanium are provided as the second layer (103).
4. A gas sensor having an infrared source (10) and a detector (31), between the infrared source (10) and the detector (31) an interference filter (32) being provided, wherein an infrared source (10) as recited in one of the preceding claims is provided as the infrared source (10).
5. The gas sensor as recited in Claim 4, wherein the operating frequency range (501) of the infrared source (10) includes exactly one pass frequency (61) of the interference filter (32).
6. The gas sensor as recited in Claim 4 or 5, wherein a Fabry-Perot filter is provided as the interference filter (32).